

IN THE CLAIMS:

Please amend claims 1-4, 6-9, 11, 12, 14 and 15 as follows:

1. (Currently amended) A method for detecting an overlap of scheduled recording times, the method comprising ~~the steps of:~~

~~(a) ascertaining whether~~determining that there exists ~~any~~a first broadcasting program ~~reserved~~scheduled to record on a first channel and a second broadcasting program scheduled to record on a second channel;

~~(b) if there exists any broadcasting program scheduled to record, correcting a scheduled recording time of at least the first broadcasting program reserved to record on the basis of~~for the second broadcasting program according to calculated time correction data for channels corresponding to a time difference between the first channel and the second channel;

~~(c) determining whether that~~ the scheduled recording times of the first broadcasting ~~programs~~program and the second broadcasting program overlap; and

~~(d) if the scheduled recording times of the broadcasting programs overlap,~~ reporting information on the overlap.

2. (Currently amended) The method according to claim 1, further comprising ~~the step of:~~

~~(e) before the step (a), when a power is turned on, calculating the time correction data for the channels~~upon power up.

3. (Currently amended) The method according to claim 2, wherein calculating the time correction data ~~the step (e) comprises the steps of:~~

setting, as a reference time, a base time provided from a reference channel tuned first upon power up~~when the power is turned on;~~

obtaining base times provided from ~~remaining channels excepting for~~other than the reference channel; and

calculating the time correction data ~~for the channels by~~ using the reference time and the base times.

4. (Currently amended) The method according to claim 3, wherein calculating the time correction data~~the step (e) further comprises the steps of:~~  
mapping the calculated time correction data to corresponding channels in one-to-one mapping and storing the mapped time correction data.

5. (Original) The method according to claim 3, wherein the reference channel is set in default by a user.

6. (Currently amended) The method according to claim 3, wherein calculating the time correction data~~the step (e) further comprises the steps of:~~  
storing the set reference time and the base times ~~provided from the remaining channels excepting for the reference channel.~~

7. (Currently amended) The method according to claim 3, wherein the calculated time correction data ~~are~~ comprises time differences between the reference time and the base times ~~of the remaining channels.~~

8. (Currently amended) The method according to claim 1, wherein the scheduled recording time ~~includes~~ times comprise a record start time and a record end time.

9. (Currently amended) The method according to claim 1, wherein correcting the scheduled recording time ~~the step (b) comprises the steps of:~~  
reading the time correction data ~~of~~ corresponding to the channels ~~corresponding to the broadcasting programs reserved to record among the calculated time correction data of the channels~~ first channel and the second channel; and  
adding the read time correction data to the scheduled recording times of the at least first broadcasting program or second broadcasting program ~~programs scheduled to record.~~

10. (Original) The method according to claim 1, wherein the information on the overlap is reported in the form of message or voice.

11. (Currently amended) A method for detecting an overlap of scheduled recording times, the method comprising ~~the steps of:~~

~~(a) when a power is turned on,~~ calculating time correction data for channels upon power up;

~~(b) if there exists any broadcasting program scheduled to record,~~ correcting a scheduled recording time of ~~the~~ at least one broadcasting program ~~reserved~~ scheduled to record ~~on the basis of~~ according to ~~calculated~~ time correction data corresponding to a time difference between ~~for the~~ channels;

~~(c) determining whether that~~ the corrected scheduled recording times of ~~the~~ at least two broadcasting programs overlap; and

~~(d) if the scheduled recording times of the broadcasting programs overlap,~~ reporting information on the overlap.

12. (Currently amended) The method according to claim 11, wherein calculating the time correction data ~~the step (a) comprises the steps of:~~

setting, as a reference time, a base time provided from a reference channel tuned first upon power up ~~when the power is turned on;~~

obtaining base times provided from ~~remaining~~ channels other than ~~excepting for~~ the reference channel; and

calculating the time correction data ~~for the channels by~~ using the reference time and the base times.

13. (Original) The method according to claim 12, wherein the reference channel is set in default by a user.

14. (Currently amended) The method according to claim ~~44~~12, wherein the ~~calculated~~ time correction data ~~are~~ comprises time differences between the reference time and the base times ~~of the remaining channels~~.

15. (Currently amended) The method according to claim 11, wherein correcting the scheduled recording time ~~the step (b)~~ comprises ~~the steps of~~:

reading the time correction data of the channels corresponding to the at least one broadcasting programs ~~reserved~~ program scheduled to record ~~among the calculated time correction data of the channels~~; and

adding the read time correction data to the scheduled recording times of the at least one broadcasting programs ~~reserved~~ program scheduled to record.